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Claims

1. A process for the production, clarification and purification of wort and beer utilizing membranous filter media affording sub-micronic, sterile separation and thereby achieving significant cost savings and reduction in environmental pollution caused by conventional brewing processes, **thereby characterized**, that band filters 202, 204 with a filter chamber through which a filter band capable of sub-micronic separation is intermittently transportable over a support surface that divides the filter chamber into a lower filtrate chamber and an upper turbid liquid chamber, whereby the turbid liquid chamber has a lid-like form and the filter band during the operation when a pressure differential in the filter chamber develops is sealed between the movable dependent edges of the turbid liquid chamber, are employed for the clarification of the processed liquids, namely wort and beer.
2. A process according to Claim 1, thereby characterized, that mash for filtering to produce wort is made from ground malt and/or grain with a mean particle size from 20-100 micron.
3. A process according to Claim 1, thereby characterized, that the mash after heating is subjected to vacuum and blown with live steam while under vacuum.
4. A process according to Claim 1, thereby characterized, that the mash after heating is cooled to produce the cold-break before filtration.
5. A process for the production of beer, thereby characterized, that to clarify and stabilize the beer the clarified wort is dosed with adsorbents such as silica, resins, molecular sieves etc. before and/or during the fermentation.
6. A process for the production of beer, thereby characterized, that the fermentation in the fermenter 203 is controlled by a programmed relationship between temperature, pressure and carbon dioxide evolution during the course of the fermentation.
7. A process for reclaiming and recycling recovered liquids from the beer production process, thereby characterized, that a band filter or filters 211, with a filter chamber through which a filter band capable of sub-micronic separation is intermittently transportable over a support surface that divides the filter chamber into a lower filtrate chamber and an upper turbid liquid chamber, whereby the turbid liquid chamber has a lid-like form and the filter band during the operation when a pressure differential in the filter chamber develops is sealed between the movable dependent edges of the turbid liquid chamber, are employed for the purpose of purifying, sterilizing and recycling effluents produced in the brewing process.